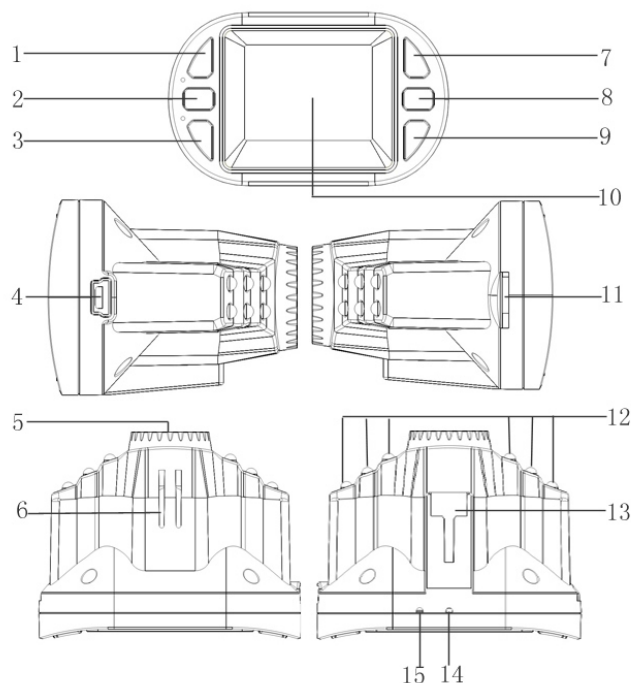


6048 HD User manual



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|--------------------|----------------|---------------------|
| 1) UP button | 2) MENU | 3) DOWN button |
| 4) USB interface | 5) Camera | 6) Speaker |
| 7) OK button | 8) MODE | 9) Power button |
| 10) Display screen | 11) TF slot | 12) LED flash light |
| 13) Bracket hole | 14) Reset hole | 15) MIC |

NB. If your LCD screen appears scratched or dirty, your camera has a thin protective film protecting your LCD screen and sometimes a lens cover. You can peel back either via tabs or use fingernail in corner of screen and peel back.

Button and interface function description :

- 1) UP button - Short press on this button to move up within menu commands
Choose up function in MENU item
- 2) MENU button- Short Press to access all function settings such as Resolution, Loop recording etc or press menu again to enter Date/Time, Formatting etc
- 3) DOWN button - Short press on this button to move down within menu commands. Choose down function in MENU item
- 4) USB data interface - Connect PC for Data transfer
Connect external power to charge battery or provide working power.
- 5) Camera lens - 160° wide-angle Lens;
- 6) Speaker - Video playback, voice monitor, operating sound warning
- 7) OK button - Confirmation button for video recording and taking photo;
In recording mode, press this mode to start video recording, re -press to stop;
In photo mode, short press to take photo. In menu mode means Confirmation button.
- 8) MODE - Short press on this button to shift modes between Video, Camera and Playback
- 10) Screen - 3.5cm LCD window
- 11) TF slot - Slot for memory card . NB. Insert SD card with text facing front of camera. Do not force in case you have attempted to insert back to front. Once in, the card can easily be removed by pressing finger nail onto top of card and spring loaded insert then releases. Cover this slot with hand in case SD card ejects too quickly.
- 12) LED light - Night vision
- 13) Bracket hole - Install vehicle bracket hole
- 14) Reset slot - Use this to restart when crash
- 15) MIC

Special function description

- MENU button

Once you have pressed the Mode button and entered into say Video mode, then Short press on Menu button to show function settings. Within this setting you can now update the default settings and adjust Resolution, Loop Record times, whether Motion Detection is on or Off, whether you want G-Sensor setting to be high or low etc etc. Press menu again to enter the next window – Status window shows shape of a ‘Spanner’. Within this window, you can now set Date/Time, Format, Languages etc. If you pressed Mode a couple times, you may have a camera icon top left. To adjust these settings, follow above instructions but only if you haven’t already adjusted all the settings whilst in the Video mode menu.

Within this section, it's important once your SD card has been inserted into TF slot that you Format your camera. Follow step above and within Spanner settings, move cursor down until Format option appears. Click Yes to format. This takes a couple seconds. Now your camera is Ok to begin recording, or taking photographs

- G-sensor function

When gravitational acceleration reach 6g(1g=9.80m/s), machine will save present video as undeletable files

Automatic power on/off function

- Support recording Start and shutdown synchronization with Auto and save the video files After connect to the car power supply
- Seamless loop recording, don't leak second
- SOS
Short press "M" to lock current video whilst recording or photograph

REC/photo operation specifications

- Power on/off

Long press on “power on/off” button to start, Indicator light will shine when power on

Then long press again on “power on/off” button to shutdown and the indicator light go out

Notice: video instrument will automatically power off after waning of low battery

- REC mode

Short press on “M” button shift to REC mode, REC icon is on the top left corner

Short press on “OK” mode to start recording, flashing red dot on REC icon indicate the recording is on the way

- Photo mode

Short press on “M” button shift to photo mode, a photo icon is on the top left corner

Then short press on “OK” button to take a photo, screen flash one time means photo completed

- Video/photo playback

Short press on “M” button, shift to playback mode, playback icon is on the top left corner

Short press on up key to choose files

Short press on down key to choose files

Short press on “OK” button to play the selected video files. Once you are in playback mode and watching a video, should you wish to erase, press the Menu key and a delete or save option will appear. Move up or down button and then push Ok.

- Menu setting

Short press on “menu” mode, enter video set status, and now the background icon top left is yellow in “video icon” column; then press “M” button again shift to set status, the “set icon” column background is yellow.

In the setting items, press on up or down keys to shift up and down in sub items, then press “OK” button to set sub items.

Short press on “MENU” or “MODE” button can exit the setting status

- Time settings
Short press “MENU” button to enter “setting status”, here short press on ‘menu’ button to set menu. Scroll up or down within menu settings to choose date time items, short press “OK” to enter, short press on “OK” button can make shifts among y/m/d/h/m/s. Press “OK” button to confirm modification.

Camera settings

Short press “Mode” button to enter Camera mode. Within this setting, if you haven’t already set some of your camera functions, press Menu and scroll up and down and adjust any of the default settings such as: Capture mode, resolution, quality, sharpness, ISO, Anti shaking, Quick review etc etc . As you adjust each setting, then press the Ok button to confirm and move to next menu option.

USB mode

Separate USB cable and computer, press “power on” button, car DVR will automatically show USBmenu,two mode areavailable:

- 1: USB-Disk

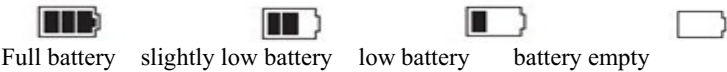
In this mode we can access video files and photo files

- 2: PC-Camera

In this mode USB video equipment are shown, can take photo or make video chat

Battery instruction

- Battery indication image:



There are three methods to charge, the red indicator light up when charging, the entire charging time is about 180 minutes, and the red indicator light

- automatically off when charging completed.
 - 1. Use USB power adapter to charge via 240 volt (not supplied)



- 2. Use PC-USB cable to charge (supplied)
 - 3. Use car power to charge (supplied)

Notice: Video instrument can only use 5V car power supply, or it may cause device damage.

This products Car charger can only be used in 12V/14V

Remark: If involved in a crash or perhaps you drop camera and screen becomes static or malfunctioning, simply insert a paper clip into Reset hole on top of camera. Switch camera on and off. This usually fixes any issues unless camera broke on impact internally or externally Warranty would not apply.

● Products specifications

Features	HD camera, HD video recording
G-sensor	Built-in (car accident case of emergency save, will not be deleted)
LCD screen size	1.5LTPS
camera	160 A + grade high-resolution ultra wideangle len
Language	Russian, Japanese、 French, Italian, German, spanish, English, Chinese (simplified), Chinese (Traditional), Korean, etc...
Files format	AVI
Resolution	Max 1080P
Recording video format	M-JPEG

Continuous loop video	seamless loop recording, don't lock second
Automatically power on/off	Support auto ignition boot, turn off shutdown
Motion Detection	supported
Time synchronization	Support (Y/M/D/H/M)
Carrier media	Built-in memory (total:64MB)
Photo mode	5million
Photo format	JPEG
Memory card	TF (max 32GB)
MIC	Support
Built-in stereo	Support
Infrared night vision	Support
Video output	AV-OUT/HDMI
Video format	PAL/NTSC
Current frequency	50HZ/60HZ
USB function	1: USB-Disk 2: PC-Camera
Power interface	5V 800ma
Battery	Built-in 800mAh

Trouble shooting:

➤ **For problems in normal operating situation ,please try these methods below:**

- **Can't take photo and recording**
Check the if the TF card has enough space or locked
- **Automatically stop when recording**
Use the compatible high -speed TF card with SDHC because of big HD video data, the high-speed TF card have identifying of C4 and C6
- **Appear “files error” when replay photo or video**
Uncompleted files because of TF card storage error, please use formatting function to format your TF card

function to format your TF card

- **Unclear video**
Checks if there are any dirt or fingerprint; and use lens paper to clear the camera Len.
- **Black image when recording sky or water scene**
Scenes with big contrast will influence the automatic exposure function of camera; you can adjust “EV in setting mode to correct.
- **Color is not perfect in cloudy day and outdoor light**
Set the “white balance” function to automatic
- **cross stripe interference in image**
Because of wrong “light frequency”, please set it to 50Hz or 60Hz according to the local power supply frequency
- **Crash**
Restart by pressing shortly on” RESET” button after crash